STN - STRUCTURE SEARCH 9.27.04

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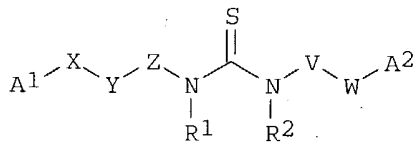
L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:453172 CAPLUS
DOCUMENT NUMBER: 141:23305
TITLE: Preparation of substituted aryl thioureas as inhibitors of viral replication
INVENTOR(S): Chen, Dawei; Deshpande, Milind; Thurkauf, Andrew; Phadke, Avinash; Wang, Xiangzhu; Shen, Yiping; Liu, Cuixian; Quinn, Jesse; Ohkanda, Junko; Li, Shouming
PATENT ASSIGNEE(S): Achillion Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 218 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004046095	A1	20040603	WO 2003-US36809	20031118
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004138205	A1	20040715	US 2003-716175	20031118
PRIORITY APPLN. INFO.:			US 2002-427634P P	20021119

OTHER SOURCE(S): MARPAT 141:23305
GI



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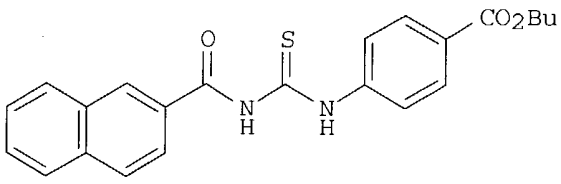
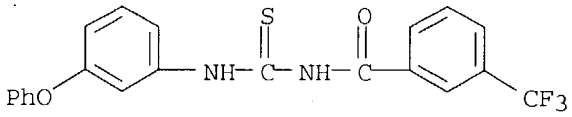


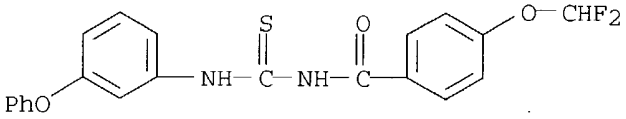
II

AB The title compds. [I; A1 = (un)substituted aryl, 5-6 membered heteroaryl; etc.; A2 = (un)substituted Ph, 2-pyridyl, 5-pyrimidinyl, etc.; X, W = O, S, NR, absent (wherein R = H, alkyl, arylalkyl); V = alkyl, alkenyl, cycloalkyl, absent; Y = alkyl, cycloalkylalkyl, alkenyl, etc.; when V is absent, W is absent; Z = carbonyl, thiocarbonyl, imino, alkylimino; R1, R2 = substituted alkyl, alkenyl, alkynyl; or R1 and R2 are joined to form

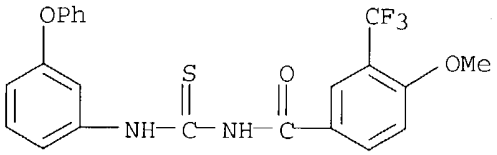
(9CI) (CA INDEX NAME)



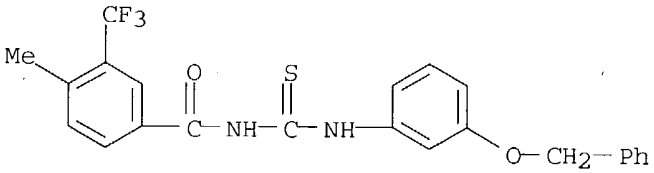
RN 698990-35-1 CAPLUS
CN Benzamide, 4-(difluoromethoxy)-N-[[(3-phenoxyphenyl)amino]thioxomethyl]-
(9CI) (CA INDEX NAME)



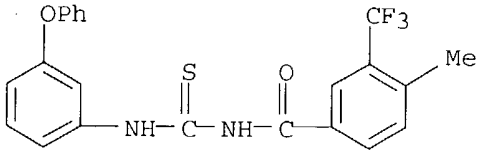
RN 698990-59-9 CAPLUS
CN Benzamide, 4-methoxy-N-[[(3-phenoxyphenyl)amino]thioxomethyl]-3-
(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 698990-74-8 CAPLUS
CN Benzamide, 4-methyl-N-[[[3-(phenylmethoxy)phenyl]amino]thioxomethyl]-3-
(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 698990-79-3 CAPLUS
CN Benzamide, 4-methyl-N-[[(3-phenoxyphenyl)amino]thioxomethyl]-3-
(trifluoromethyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1981:407266 CAPLUS
DOCUMENT NUMBER: 95:7266
TITLE: 2-Oxo-benzothiazoline, benzoxazoline or indoline

derivatives and **pharmaceutical compositions** comprising them

INVENTOR(S): Ueda, Ikuo; Matsuo, Masaaki; Satoh, Susumu; Watanabe, Takao

PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan

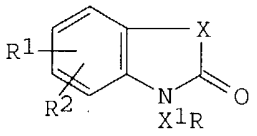
SOURCE: Eur. Pat. Appl., 53 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 22317	A1	19810114	EP 1980-301973	19800611
EP 22317	B1	19830921		
R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
JP 55167282	A2	19801226	JP 1979-74239	19790612
US 4370340	A	19830125	US 1980-155185	19800602
AT 4713	E	19831015	AT 1980-301973	19800611
JP 56097268	A2	19810805	JP 1980-79645	19800612
JP 01014223	B4	19890310		
US 4438126	A	19840320	US 1982-409089	19820818
PRIORITY APPLN. INFO.:			JP 1979-74239	19790612
			GB 1979-44556	19791228
			US 1980-155185	19800602
			EP 1980-301973	19800611

OTHER SOURCE(S): CASREACT 95:7266

GI



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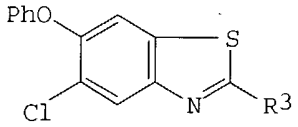


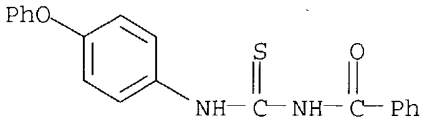
II

AB The title compds. I (X = O, S, CH2; X1 = alkylene; R = optionally protected carboxy; R1 = OH, halogen, NO2, NH2, cycloalkyl, aryl, aryloxy; R2 = H, halogen, alkyl) were prepared Thus 3,4-Cl(PhO)C6H3NH2 was treated with BzNCS to give 3,4-Cl(PhO)C6H3NHCSNHBz which was debenzoylated and cyclized with Br to give II (R3 = NH2). Diazotization of II (R3 = NH2) and bromination gave II (R3 = Br) which was hydrolyzed to II (R3 = OH). Treatment of II (R3 = OH) with BrCH2CO2Et gave I (X = S, X1 = CH2, R = CO2Et, R1 = 6-PhO, R2 = 5-Cl) which was hydrolyzed to acid. The latter compound had an aldose reductase-inhibiting ED50 of 5 + 10-8M.

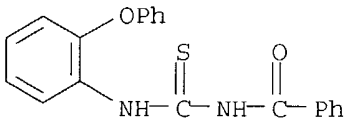
IT **76838-41-0P 76839-52-6P 77859-27-9P 77859-29-1P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and debenzoylation of)

RN 76838-41-0 CAPLUS

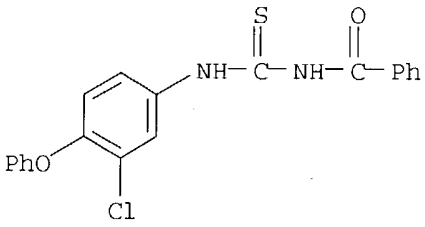
CN Benzamide, N-[[(4-phenoxyphenyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)



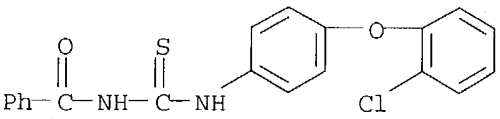
RN 76839-52-6 CAPLUS
CN Benzamide, N-[[(2-phenoxyphenyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)



RN 77859-27-9 CAPLUS
CN Benzamide, N-[[(3-chloro-4-phenoxyphenyl)amino]thioxomethyl]- (9CI) (CA INDEX NAME)



RN 77859-29-1 CAPLUS
CN Benzamide, N-[[[4-(2-chlorophenoxy)phenyl]amino]thioxomethyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1981:139807 CAPLUS
DOCUMENT NUMBER: 94:139807
TITLE: 2-Imidazoline derivatives and **pharmaceutical compositions** containing them
INVENTOR(S): Ueda, Ukuo; Matsuo, Masaaki; Taniguchi, Kiyoshi; Katsura, Yousuke
PATENT ASSIGNEE(S): Fujisawa Pharmaceutical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 68 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

EP 17484	A1	19801015	EP 1980-301061	19800402
EP 17484	B1	19830406		
R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
ZA 8001680	A	19810325	ZA 1980-1680	19800321
CA 1138451	A1	19821228	CA 1980-348207	19800321
AU 8056892	A1	19801009	AU 1980-56892	19800327
AU 535979	B2	19840412		
DK 8001424	A	19801004	DK 1980-1424	19800401
JP 55136266	A2	19801023	JP 1980-43398	19800402
JP 02010830	B4	19900309		
ES 490292	A1	19810216	ES 1980-490292	19800402
AT 2953	E	19830415	AT 1980-301061	19800402
HU 27686	O	19831028	HU 1980-793	19800402
HU 184259	B	19840730		
PRIORITY APPLN. INFO.:			GB 1979-11537	19790403
			EP 1980-301061	19800402

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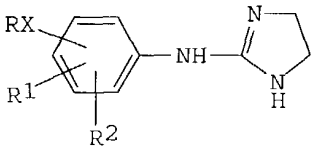

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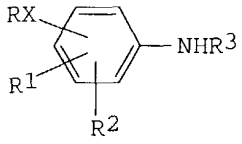


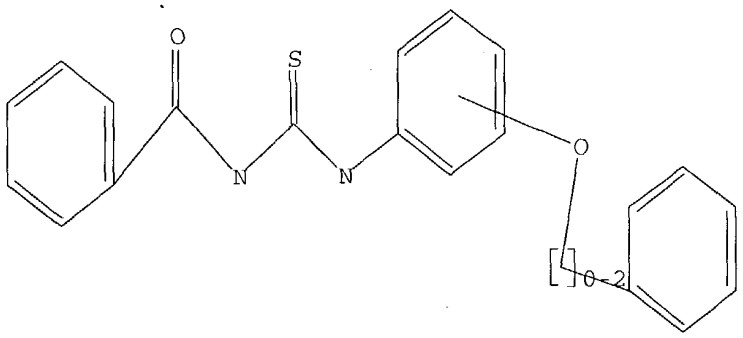
II

AB Anilinoimidazolines I (R = substituted aryl; R1, R2 = H, halogen, alkyl, alkoxy, alkanesulfonamido, haloalkyl, carbamoyl, NO2, amino, cyano, SO2NH2; X = O, S, CH2, bond) were prepared by treating II, (R3 = H) with BzSCN, debenzoylating the II (R3 = CSNHBz), S-methylating II (R3 = CSNH2), and cyclizing II [R3 = C(SMe):NH] with H2NCH2CH2NH2. I (RX = 2-PhO, R1 = S-Cl, R2 = H) caused 57% decrease in blood pressure at 10 mg/kg in rats. I (RX = 2-PhO, R1 = 4-Me, R2 = H) caused 48.4% inhibition carrageenin-induced edema at 100 mg/kg orally in rats. I (RX = 3-MeO, R1 = 4-MeO, R2 = 5-MeO) had an analgesic ED50 of 50.1 mg/kg orally in the HOAc writhing test. I (RX = 2-Ph, R1 = R2 = H) caused 73.2% decrease in gastric acid secretion at 1 mg/kg i.v. in dogs.

IT **76838-12-5P 76838-13-6P 76838-14-7P**
76838-15-8P 76838-16-9P 76838-17-0P
76838-18-1P 76838-19-2P 76838-20-5P
76838-21-6P 76838-22-7P 76838-23-8P
76838-24-9P 76838-25-0P 76838-26-1P
76838-27-2P 76838-28-3P 76838-29-4P
76838-30-7P 76838-31-8P 76838-32-9P
76838-33-0P 76838-34-1P 76838-35-2P
76838-36-3P 76838-37-4P 76838-38-5P
76838-41-0P 76838-42-1P 76838-47-6P
76838-51-2P 76838-56-7P 76838-59-0P
76838-60-3P 76838-64-7P 76838-70-5P
76838-71-6P 76839-52-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and debenzoylation of)

RN 76838-12-5 CAPLUS

CN Benzamide, N-[[[2-(3-chlorophenoxy)phenyl]amino]thioxomethyl]- (9CI) (CA INDEX NAME)



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

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